

*Official Answers to Questions Submitted by Offerors*

*Attachment 1*

**Official Answers to Questions Submitted for Roof Replacement and Loggia  
Ledge Replacement – Roof Package 1  
Synopsis NNJ09ZBJ004E  
Invitation for Bid NNJ09286585E**

*Disclaimer: The questions that are listed in this document were reproduced exactly as they were submitted.*

**Question 1:** Some buildings had existing fall arrest systems in place. The specifications call for new fall arrest systems for each Bldg. Do the existing systems get replaced?

**Response 1:** Existing fall arrest systems are to be removed per the Specification, Section 13105. Section 13105 requirements for reinstallation of existing systems shall be followed.

**Question 2:** Bldg 45 requires a new tapered insulation system but the slope is unknown. Table says match existing slope. What is the existing slope of the roof?

**Response 2:** Table 1 in Specification, Section 01019, requires existing roof slope to be matched for Buildings 45 and 46. The contractor is required to measure and submit existing slopes.

**Question 3:** Can you please provide a list of mechanical and electrical contractors that are currently working on the JSC site? Does JSC have a MEP IDIQ contractor?

**Response 3:** JSC currently has both Electrical and Mechanical multiple award Indefinite Delivery/Indefinite Quantity (IDIQ) contracts. The following prime contractors currently hold IDIQ Mechanical or Electrical contracts at JSC. This list is not all inclusive of mechanical, electrical and plumbing contractors working on site at JSC and as a matter of policy; this is merely a listing of IDIQ contract holders and does not imply any particular endorsement.

**Mechanical:**

Major Constructors, LLC.  
Sauer Inc. dba Sauer Southeast  
Williams & Thomas, Inc dba Jamail Construction

**Electrical:**

Barnes Electric Company, Inc.  
Koontz Electric Company, Inc.

C. F. McDonald Electric, Inc.  
MAPCO, Inc.  
SIA Construction, Inc.  
Triune Associates  
Williams & Thomas, Inc dba Jamail Construction

**Question 4:** What are the specific areas of work that have ACM concerns? Identify by location, building wing, and current room number and material. Are there ACM issues in the membrane, in the coating or in the sheet metal?

**Response 4:** Specific areas where Asbestos Containing Materials (ACM) may be present are listed in the Specification, Section 01019, Table 1, for the various buildings. A “yes” for ACM indicates ACM fireproofing exists on bottom side of deck. A “no” indicates no ACM is known to exist on bottom side of deck. ACM in roofing material is not expected to exist.

**Question 5:** Unless directed otherwise, we will use the Asbestos Control Manual (April, 1992) Appendix “D” Inventory of Asbestos, containing materials at the Johnson Space Center to determine, which materials contain ACM for the purpose of bidding. If this is not correct, please answer in full detail.

**Response 5:** The document referenced in the question no longer exists and should not be used. See Specification, Section 01220.1.20.2, for known locations of ACM.

**Question 6:** What are the specific areas of work that have lead paint concerns? Identify by location and material.

**Response 6:** See Specification, Section 01220, for lead paint locations. Also, see Specification, Section 01019, Table 1, showing buildings that have lead containing paint.

**Question 7:** We will assume, the Government will dispose of the hazardous material (if any) off-site and provide a dumpster for disposal in close proximity of work areas. Is this correct? Please explain.

**Response 7:** As per Specification, Section 02410, the Government will dispose of hazardous materials and will provide dumpsters for disposal of these materials. The contractor shall coordinate with JSC Environmental and Occupation Health Personnel.

**Question 8:** Will NASA provide the Environmental Report used to identify quantity and location of hazardous material (if any) in an effort to reduce the cost contingencies of the Asbestos and Lead Abatement subcontractors?

**Response 8:** The Specification, Section 01220, requires the contractor to field verify existing conditions and quantities of ACM when abatement/removal is required in specifications. The contractor shall also plan and prepare written plans for asbestos related work, which includes reporting quantities.

**Question 9:** Is it the Government's intent to remove and reinstall the existing lightning protection at each building? Or is the intent to completely remove the existing system and replace the entire system with a new system ONLY ON THE ROOF? Can we assume that the main conductors attached to the structural steel frame or grounds are not part of this contract?

**Response 9:** The contractor shall remove and reinstall the existing lightning protection on roofs as per Specification, Section 13100 - Part 1 (General). The specification also requires the contractor to perform other repairs to each building's lightning protection system that may be needed to obtain the required UL certification per specifications.

**Question 10:** Are there any existing roof leaks that have compromised the integrity of the Spray Applied Insulation (SAI) at any of the buildings?

**Response 10:** At the various buildings there have been past leaks and some roofs have current leaks where ACM exist. This reroofing project scope does not include repair of damaged ACM from roof leaks.

**Question 11:** If there are existing roof leaks that have compromised the integrity of the Spray Applied Insulation (SAI), is the abatement to be performed under this contract? If the abatement is part of this contract, provide the quantity and size at each location for each building affected.

**Response 11:** See Response 10.

**Question 12:** What is the cross sectional thickness of the roof from the corrugated deck to the finish roof membrane for each of the separate roofs in this package? What gauge is the metal roof panel for each roof?

**Response 12:** The cross sectional thickness of most roofs varies to accommodate roof drainage. See Response 70 concerning gauge of metal decks for each roof.

**Question 13:** How long can each air handling unit, exhaust fan, etc. be out of service?

**Response 13:** The successful bidder will coordinate these outages with the building facility managers.

**Question 14:** Is testing or balancing required for mechanical equipment that is remove and replaced?

**Response 14:** As per Specification, Section 01220, phase rotation and voltage testing is required before and after equipment removal/replacement. All mechanical equipment must be re-installed to its existing working condition.

**Question 15:** How high do the groups of piping have to be raised off the existing roofs?

**Response 15:** See Specification, Section 02410 and Section 07590, for requirements related to piping. Heights above roofing are to be maintained as they currently exist when reinstalled.

**Question 16:** Will Government drawings and as-builts be available on Auto-Cad?

**Response 16:** No. Post-award, the contractor(s) may request *.pdf* copies of existing drawings from JSC Engineering Drawing Control Center (EDCC) as needed. See Specification, Section 01220, for cautions when using EDCC Drawings.

**Question 17:** Can the Superintendent and Quality Control Manager be the same person?

**Response 17:** No, see Specification, Section 01451, for Quality Control System Manager (QCSM) requirements. Per the referenced specification the QCSM shall report to site management authority.

**Question 18:** Spec. Section 13105, 2.3 Personal Use Equipment and the submittal log identify Lanyards and Body Harnesses to be submitted. How many lanyards and body harnesses will the Government require for each building? What is the length of each lanyard required? How many Transfasteners are required for each building and what type (removable or permanent Transfasteners) is required?

**Response 18:** As per Amendment 2, Specification, Section 13105, has been updated to answer this question.

**Question 19:** Do any of the pipes to be raised contain asbestos insulation?

**Response 19:** See Response 5.

**Question 20:** If electrical needs to be extended when fans are raised for new higher curbs, can we splice existing circuits under fans or do we have to re-pull wire to circuit breaker panels? If so, where are the panels and what sizes are the circuits?

**Response 20:** As necessary, the circuits can be spliced. The contractor shall note the panel locations per Specification, Section 01220, Utility Outage Procedures.

**Question 21:** Table 1.0 in Spec. Section 01019 identifies the percentage of metal decking and lightweight required to be replaced for each roof. Who will make the determination if it needs replacement and to what extent? If some of the metal decking and/or lightweight have to be replaced, this is going to expose the interior of the building and compromise the assets within. Since we were unable to see the entire interior of each building, who is going to be responsible to protect the said interior assets?

**Response 21:** See Specification, Section 05312, for steel deck replacement requirements. Rusty steel deck discovered during demolition shall be replaced or covered over per the Specification, Section 05312. The contractor shall be responsible for providing protection of all interior assets during demolition, repairs, reroofing and other operations. See Responses 25, 29, 30, and 31. Such protection is described throughout various sections of the specification as stated in Responses 21, 25, 29, 30, and 31.

**Question 22:** Are we to understand that all air conditioning, mechanical equipment and fixtures, motors, machines and electrical is to be removed and reinstalled by contractor per Spec. Section 02410? Please verify.

**Response 22:** As per Specification, Section 02410, existing roof top equipment may be disconnected to allow for demolition.

**Question 23:** What is the current mission schedule and how many missions are factored into the contract time?

**Response 23:** The current mission schedule is located in the solicitation, Section J, Attachment J.3. As per Specification, Section 01220-1.22, thirty (30) days of the 270 day period of performance have been allocated to allow for such days.

**Question 24:** Are any of the Buildings in this Package Mission Critical or do they have any specific rooms that are Mission Critical?

**Response 24:** Yes, Building 8.

**Question 25:** Once each roof penetration is cut open to perform the demolition and replacement activities, what building content or equipment will be in jeopardy of getting exposed to the elements? Or will the Government remove the equipment to minimize the contractor's risk?

**Response 25:** The contractor, per the specification, shall protect the building's contents, assets, and personnel from damage due to, but not limited to, falling objects, dust, debris, ACM, lead, water, weather, and the contractor's operations as described in the Specification, Sections 01019, 01220, 01410, 02410, 05096, 05120, 07223, 07513, 07530, 07541, and 07590.

**Question 26:** Only Siplasts LIC system is shown, will other LWC/LIC systems such as Celcore Celluar (requires less water) be allowed?

**Response 26:** Name brands and manufacturer names used with "or equal" in the specifications are provided for reference. Materials shall meet specification requirements, and only products that meet material specific technical requirements shall be used. Other manufactured products may be used if they meet specifications and are approved by the roofing manufacturer for the reroofing system being installed.

**Question 27:** Will all roofing material manufacturers have to include new LWC/LIC in their warranty?

**Response 27:** Yes, see Specification, Section 07513-1.16.1, Manufacturer's Warranty.

**Question 28:** What if only partial replacement happens, will all roofing material manufacturers have to include new LWC/LIC in their warranty?

**Response 28:** Yes, see Response 27.

**Question 29:** Who will protect interiors and personnel from dust from LIC removal?

**Response 29:** The contractor shall protect the interiors and personnel as per Specification, Section 01019-1.2.2, Protection and Controls. Also see Specification, Section

07590-3.2.1 and Section 3.2.10. The contractor, per the specification, shall protect the work in place, the building, and the building's contents, assets, and personnel from damage due to, but not limited to, falling objects, dust, debris, ACM, lead, water, weather, and the contractor's operations. Also see Response 25.

**Question 30:** Who will protect interiors and personnel from slurry from LIC installation?

**Response 30:** See Response 29.

**Question 31:** Who will protect interiors and personnel from rain intrusion while LIC cures?

**Response 31:** See Response 29.

**Question 32:** Who will protect interiors and personnel while steel decking is replaced?

**Response 32:** See Response 29.

**Question 33:** If the quantity of LIC exceeds the percentages shown in the Table 1.0 in Specification Section 01019, will unit pricing be required?

**Response 33:** Changes identified in the field will be processed as Facility Change Requests which require the contractor to submit pricing information as deemed necessary for the Contracting Officer to make a determination of price reasonableness. Upon approval by the Government, a contract modification may be issued to the contract as per FAR 52.243-4 Changes.

**Question 34:** There is no indication of a temporary roof system to be installed after demolition of existing LWC and/or existing steel decking, this will probably be necessary to keep the building occupied until new LIC is installed, what materials would be required for the temporary roof?

**Response 34:** See Response 79; the specifications have been updated to set weatherproofing requirements. The contractor shall maintain weatherproofing for the building throughout the construction period to protect the work in place, the building, and the building's contents, assets, and personnel. As per requirements in the Specification, Section 07590, Section 01220, and Section 01019, the contractor shall plan, implement, provide, and maintain weatherproofing. Also see Response 29.



**Question 35:** Removing existing LIC from existing steel roof deck flutes will slow work down; can this requirement (Spec. 07590) be waived?

**Response 35:** The completed reroofing system must meet specification and roofing manufacturer's requirements.

**Question 36:** Will lead or asbestos removal be required to replace LIC? Who will do the work?

**Response 36:** See Specification, Section 02410, Section 01220, and Section 07590 for lead and asbestos scope requirements. The contractor performs the work scope.

**Question 37:** Will lead or asbestos removal be required to replace existing steel deck? Who will do the work?

**Response 37:** As per the Specification, Section 1220 and 02410, lead containing paint removal, if present, is required during demolition and repairs and the specifications require the contractor to do that work. See Specification, Section 05312 for repair of metal deck with spray applied ACM.

**Question 38:** What is the procedure for outages and tie-ins required to remove and replace roof top equipment?

**Response 38:** See Specification, Section 01220-1.12, Utilities Outages and Reconnection Tie-ins. Also, see Specification, Section 07590-3.6 and Section 07590 for roofing tie-ins.

**Question 39:** At the pre-bid walk thru our request to core and pull test various buildings was denied. When will be allowed to core and pull test each roof at the locations we desire?

**Response 39:** After award. See Response 60, 69, and 71.

**Question 40:** Was the pre-bid walk thru a mandatory requirement to bid the project?

**Response 40:** No.

**Question 41:** Reference Specification Section 01410, Par. 1.7 Safety and Health System Organization Requirements. If we are performing more than one roofing project at

one time under this package, will a different Safety and Health System Professional (SHSP) and a different Safety and Health System Specialist be required at all times at each ongoing roofing project?

**Response 41:** As per Specification, Section 01410. The project shall have at minimum one SHSP that is onsite at all times. Each building's reroofing scope requires its own Safety and Health Safety and Health System Specialist (SHSS) that is present at the each specific building when work is in progress.

**Question 42:** Table 1 in Specification Section 01019 note that the presence of asbestos. Is this asbestos on the bottom side of the decking? The specifications require the roof to be mechanically fastened or attached to the steel deck. Due to the amount of fasteners and inability to determine exactly from the underside of the deck where the fasteners will penetrate the deck, if ACM is on the underside of the deck what is the NASA JPR for this situation?

**Response 42:** See Specification, Section 01220.1.20.1, for locations of ACM. ACM is on the bottom of steel decking in buildings per Table 1 in the Specification, Section 01019.

The project specifications set requirements for "Controls and Protection", that includes, but is not limited to, the contractor providing a "Design and Work Plan" per the Specification, Section 01220, for each building and accomplishing control and protection measures for each building as set out in but not limited to requirements in Sections 01019, 01220, 02410, and 07590. Submittals shall include, but are not limited to, the JPR(s) the contractor is planning to follow based on contractor's control and protection approach. NASA JPR's are referenced from the JSC Safety and Health Manual JPG 1700.J, Part 12, Asbestos Control Requirements.

**Question 43:** For Building 13, Drawing No. 13-A2.6.1 Note identifies the "Existing roof drains replace existing strainer cover" what is the manufacturer and model number of the "Strainer Cover"?

**Response 43:** The contractors shall field identify the model number or provide recommended strainer for approval.

**Question 44:** For Building 46, Drawing No. S-46-9 Roof Framing Plan, Section 2 Typical Roof Perimeter, references Drawing No. S-46-1 General Notes for information on the metal Deck. Please provide Drawing No. S46-1 or any other pertinent information so we can determine the "gage" of the existing metal roof deck.

**Response 44:** The drawings referenced in question are JSC EDCC drawings and are referred to in the Specification, Section 01220. Use of these drawings may assist the contractor in obtaining information that may assist in work planning. Per the referenced specification section, use of EDCC drawings is at contractor's risk, and actual jobsite condition should be determined by the contractor and the EDCC drawings shall not be relied on for other than general reference needs. Post-award, the contractor may request specific drawings from EDCC. See Response 70 for the metal deck gage.

**Question 45:** For Building 4N, Drawing A-4-2 Roof Plan or Drawing A-4-19 Ladder & Hatch Detail do not provide information on the "gage" of the metal roof deck. Please provide the pertinent information so we can determine the "gage" of the existing metal roof deck.

**Response 45:** See Responses 44 and 70.

**Question 46:** For Building 37, we were unable to verify the "gage" of the existing roof deck from the drawings provided. Please provide pertinent information so we can determine the "gage" of the existing roof metal deck.

**Response 46:** See Responses 44 and 70.

**Question 47:** For Building 32, we were unable to verify the "gage" of the existing roof deck from the drawings provided. Please provide the pertinent information so we can determine the "gage" of the existing roof metal deck.

**Response 47:** See Responses 44 and 70.

**Question 48:** For Building 45 (Penthouse), we were unable to verify the "gage" of the existing roof deck from the drawings provided. Please provide the pertinent information so we can determine the "gage" of the existing roof metal deck.

**Response 48:** See Responses 44 and 70.

**Question 49:** For Building 11, we were unable to verify the "gage" of the existing roof deck from the drawings provided. Please provide pertinent information so we can determine the "gage" of the existing roof metal deck.

**Response 49:** See Responses 44 and 70.

**Question 50:** For Building 261, we were unable to verify the “gage” of the existing roof deck from the drawings provided. Please provide the pertinent information so we can determine the “gage” of the existing roof metal deck.

**Response 50:** See Responses 44 and 70.

**Question 51:** There are at least two suppliers that are bidding this project as a roofer and also selling the materials for the project, this is against any type of ethical procedure in a competitive bidding process.

**Response 51:** The Roof Package 1 procurement is being conducted under full and open competition. There are no restrictions on the size or type of firm that may submit a bid.

**Question 52:** Our size standard is 5 million as a small business but the roofing company that I am bringing in with me to fulfill this contract is well over the 14 million in size. Am I okay to pursue this as a respected bidder?

**Response 52:** The Roof Package 1 procurement is being conducted under full and open competition. There are no restrictions on the size or type of firm that may submit a bid.

**Question 53:** Wondering if we can come back to see something if its important that we need to look again after reading the specifications and looking at the drawings. Something might come up and in most large roofing bids it does happen.

**Response 53:** No, additional site visits will not be conducted.

**Question 54:** Since we were not allowed to cored the roofs during the site visit, would you please provide the exact thickness and composition of each of the existing roof systems per Bldg.

**Response 54:** See Responses 12 and 70. Additionally, the contractor is to field verify and determine thickness, slopes, and materials of the existing roof assemblies as needed. Cores may be made after contract award.

**Question 55:** Must the entire building be fenced off with 6' high chain link fence?

**Response 55:** As per Specification, Section 07590.3.2.5, the fence shall be around work, storage and staging areas; this does not include the entire building. Also see Specification, Section 02410 and Section 07590.

**Question 56:** Is there any conduit pipe running through the existing LIC on any of the buildings? If so, how will that issue be addressed when tearing off the existing LIC?

**Response 56:** Yes, refer to Specification, Section 02410 1.6.6 and Section 07590 1.11.1 (Field Verification).

**Question 57:** Will overhead or exit protection be required for at all doors around the perimeter of the buildings?

**Response 57:** Yes, refer to Specification, Section 07590 (Re-roofing Prep and Procedures).

**Question 58:** Please describe the locations for staging at each building (approved by JSC fire and other relevant safety groups)

**Response 58:** See Specification, Section 01220.1.13, for requirements.

**Question 59:** Please provide more information regarding the \$100,000.00 line item described in Section E.2

**Response 59:** The contractor shall include a line item in the schedule of values and progress schedule for completion of punch-list items, site clean-up, demobilization, and final construction (as-built) drawings. The amount of this line item shall be equal to 10% of each CLIN or \$100,000, whichever is less, as defined in E.2 of the IFB.

**Question 60:** Who will be responsible for pull tests on the LIC and will the repairs to the LIC and metal deck that exceed the areas described in the specifications be handled on a change order basis as an addition to the contract amount?

**Response 60:** See Responses 33, 69, and 71.

**Question 61:** Can we provide an alternate bid to supply and install a turn-key energy producing photovoltaic system?

**Response 61:** No, alternate bids will not be accepted.

**Question 62:** Is interior protection required when removing the existing roof system? Will we need to install plastic at the T-bar ceilings?

**Response 62:** Yes, interior and exterior protection is required. Controls and protection are required. See Response 42 and Response 29. The contractor shall plan and install controls and protection per the specifications. The contractor is required to submit as part of the Demolition Plan, the Control and Protection Plan, which will include contractor's method of meeting control and protection requirements.

**Question 63:** Is there a specific manufacturer for the EPDM that you would like us to use?

**Response 63:** No, the product used must meet the requirements in Specification, Section 07530-2.8, "Roofing Membranes".

**Question 64:** Section 2410.1.8. Should all equipment be replaced or will NASA/JSC designate which roof vents are to be replaced?

**Response 64:** Specification, Section 2410.1.8, requires removal and replacement of all new curb mounted mechanical exhaust hoods and vents, air intake hoods and vents, and curb mounted access hatches. Other roof mounted equipment removal and replacement is described in the Specification, Section 02410, Section 01220, Section 13100, and Section 07590.

**Question 65:** Is a temporary roof cover board required on roofs with concrete and lightweight insulating concrete decks?

**Response 65:** A permanent cover board is required per the Specification, Section 07223, atop the polyisocyanurate insulation. Cover boards may be required by roofing manufacturers at other locations in a reroofing system per the roofing manufacturer's reroofing system requirements. Cover boards are required atop metal deck when demolition is required to metal decks per the Specification, Section 07223.

**Question 66:** On roofs that call for complete removal of the LIC, are we to install a tapered insulation system? If so, which are these buildings?

**Response 66:** Insulation systems are to be installed to meet the final finished roof slopes indicated in the Specification, Section 01019, Table 1, for each specific building.

As per Table 1, insulation types listed as flat will not require tapered insulation systems.

**Question 67:** What justification is required for the wind uplift? Loggia work calls for wind uplift of 1-135. Fully adhered EPDM does not achieve that uplift.

**Response 67:** Table 1, in the Specification, Section 01019, sets the wind uplift classification in miles per hour (mph), and per ASCE-7 is used to derive the design wind pressures. Loggia roof decks are noncombustible concrete, and NASA will accept the roofing manufacturer's engineered roofing system to meet the uplift rating's intent.

**Question 68:** What is the requirement for a secondary scaffold for emergency egress? Which roofs or roof sections will require this?

**Response 68:** See the Specification, Section 07590, for minimum requirements, which is stair scaffold for roofs over 16 feet from ground.

**Question 69:** Pull Testing. When is this being performed? Who will be doing it?

**Response 69:** Pull testing is to be performed by the contractor after award.

**Question 70:** Deck Types. Are the types of decking correct in the spreadsheet of work description? For the metal decks – what is the gauge of the metal?

**Response 70:** Various deck types exist at various locations on the same building and are different at various buildings. Specification, Section 01019, Division 1, Table 1, list requirements for demolition to specified deck type that exist in the current roof assembly. Metal deck gauges are different at each building and EDCC drawing references (per the Specification, Section 01220) may be used for informational purposes, but should not be relied upon. The contractor shall be responsible for verifying gauge or metal decks as needed to accomplish reroofing. See Response 77 for EDCC clarification.

**Question 71:** Core Samples. When can core samples be taken? Or supplied?

**Response 71:** Core samples may be taken by the contractor post-award.

**Question 72:** Does the Stafford Act apply for these projects?

**Response 72:** No.

**Question 73:** Are foreign nationals allowed to work on these projects. Any variances or conditions that apply?

**Response 73:** Yes. Please refer to the Invitation for Bid, Roof Package 1, Section G, G.8 Special Instruction for Temporary Workers Who Require Access to the Johnson Space Center.

**Question 74:** If another SBS Built-up Roofing Manufacturer can meet the specification criteria and wind uplift criteria, (I.E. – GAF, Firestone, MB Technologies, etc) – what would the approval process be?

**Response 74:** Name brands and manufacturer names used with “or equal” the in specifications are provided for reference. Materials shall meet specification requirements. Other manufactured products may be used if they meet the technical requirements of the specifications. Specification submittals are to show that specification requirements are met. Exception to this is Specification, “Section 013105, Fall Arrest and Fall Protection Systems”, where the specified manufactured product is required.

**Question 75:** Would you consider looking at an alternate bid to include a metal roof?

**Response 75:** No, alternate bids will not be accepted.

**Question 76:** This correspondence serves to inform you that HPR Tribase Plus listed in the NASA Roofing Project specification has been discontinued. As a suitable ASTM D 6162 Type III replacement to HPR Tribase Plus, I recommend Garland FlexBase Plus 80. As seen in the enclosed FlexBase Plus 80 data sheet and the copy of ASTM D 6162 the product meets or exceeds the requirements in all areas specified.

**Response 76:** See Response 74.

**Question 77:** Would you clarify EDCC in the Specifications?

**Response 77:** EDCC drawings are referenced in the Specification, Section 01220, and Section 01019, Table 1. At JSC, the EDCC is a centralized location for facility drawings. The EDCC drawings referenced in the Specifications are reference drawings and



are not contract drawings for this project. Use of these drawings may assist the contractor in obtaining information that may assist in work planning. Per the Specification, Section 01220, use of EDCC drawings is at the contractor's risk and actual jobsite conditions should be determined by the contractor and the EDCC drawings shall not be relied on for other than general reference needs. Post-award, the contractor may request specific drawings from EDCC. See Response 70 for the metal deck gage.

**Question 78:** Specification Section 02410, 3.4.1 references a list of materials to be recycled, but there is no table in the specifications.

**Response 78:** See Specification, Section 02410.3.4.1, Table Summary of Solid Waste Disposal and Diversion, included in Amendment 2.

**Question 79:** Is a temporary roof required and can you clarify the wind uplift classification requirements?

**Response 79:** The following specifications have been updated as part of this Amendment and are included as attachments. Replace the following specification sections with the attached revised sections.

Roof Package 1(A-1)

<u>Section #</u>	<u>Section Title</u>
01019	Project Description
01019	Table 1, Roof Package 1, "Building Specific" Statement of Work List
02410	Demolition
02410.3.4.1	Table Summary of Solid Waste Disposal and Diversion
06100	Rough Carpentry
07223	Reroofing Insulation
07513	Reroofing-Built-Up Reroofing
07541	Polyvinyl Chloride (PVC) Roofing (Building 46)
07590	Reroofing Preparation and Procedures
07600	Flashing and Sheet Metal

013105	Fall Arrest and Fall Protection Systems
Test	Test/Requirements List
Submittal Register	Submittal Register

**Question 80:** Will contractors be allowed to bring different subs in to view the work to be?

**Response 80:** No, additional site visits will not be conducted.

**Question 81:** Will the lay down area for each roof replacement be in close proximity to work being performed?

**Response 81:** See Response 58.

**Question 82:** Is painting the new metal deck material part of this contract? There was no paint specification provided with the solicitation.

**Response 82:** See Specification, Section 05312.3.12

**Question 83:** Specification Section 02410, paragraph 3.1.6.3 states: "Consider corroded, bent, or damaged conduit as in need of replacement." Who will determine what items are corroded?

**Response 83:** The Contracting Officer and the Contracting Officer's Technical Representative will determine which conduits warrant replacement.

**Question 84:** Is any of the existing roof equipment still under warranty?

**Response 84:** No

**Question 85:** HPR Tribase Plus listed in the Specifications has been discontinued. Our subcontractor is requesting to use FlexBase Plus 80 instead. Is this acceptable? See attached data from the manufacturer for review.

**Response 85:** See Response 76.

**Question 86:** Is the Government responsible for all HVAC and electrical outages?

**Response 86:** No, the contractor is responsible per the Specification, Section 01220.1.12.

**Question 87:** What are the fumes (if any) that are emitted onto any of the roofs? What is the proper PPE for the fumes that are emitted onto the roofs? Will work be permitted while fumes are being emitted onto the roofs?

**Response 87:** Building 37 emits low levels of vapors, which meet EPA regulations. No Personal Protective Equipment (PPE) is required while working around roof vents; working around fumes venting is permitted.

**Question 88:** Does each roof for the base bid and options require a separate QCSM, SHSP and SHSS on site during construction activities or can the QCSM, SHSP and SHSS oversee multiple roofs in progress simultaneously?

**Response 88:** See Responses 17 and 41.

**Question 89:** What are the consequences of a breach in the nitrogen line on Building 37? Will the nitrogen line remain in service during roof construction activities?

**Response 89:** A breach of the Nitrogen and /or Argon lines would interrupt laboratory experiments being performed within the building. The contractor shall coordinate outages per the Specification, Section 01220, and repair and replace equipment per the Specification, Section 07590, and Section 02410.

**Question 90:** Where there are no existing rails on Loggia are we to install new rails or leave as existing? Example: Building 44 there is nothing on Table 1.0 that refers to a rail and there are no existing rails.

**Response 90:** The Contractor shall install new rails per the detail drawings provided. The contractor shall include in the shop drawing submittals, a plan drawing showing location of rails around the building.

**Question 91:** I need to know the extent of the asbestos' reports is in just the flashings or is it in the entire roof areas that show to have it.

**Response 91:** See Specification, Section 01019, Table 1, and Section 01220.1.20.2, for locations of ACM.

**Question 92:** On page 5 of the Specification there is a Table that references the work to be completed by Building. The fourth vertical column notes work locations and sketch numbers as they refer to the loggia work. Where are those sketches, they were not in the package sent from the printer.

**Response 92:** Amendment 2, Specification, Section 01019, Table 2, Roof Package 1 – Cross Reference for Sketch Drawings, includes a cross reference table between the Work Location Sketches and the background drawing numbers the Work Location Sketches were sketched onto. The drawings listed on A-E Graphics complex website or purchased from A-E Graphics, reference the background drawing numbers and not the sketch number.

**Question 93:** Where are the sketches referred to in the table of the specifications referring to the loggia work?

**Response 93:** See Response 92.

**Question 94:** Under the American Recovery and Reinvestment Act-Reporting Requirements: If the contractor in the preceding fiscal year received:

- a) less than 80% of its annual gross revenues from federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements and,
- b) less than \$25,000,000.00 or more in annual gross revenues from Federal Contracts (and subcontractors) loans, grants (and subgrants) and cooperative agreements.

Will the contractor be required to disclose the total compensation earned by its top five executives including but not limited to salary and bonus, award of stock, stock options or stock appreciation right, earning for services under non equity incentive plans, change in pension value, above market earnings on deferred compensation which is not tax qualified, or other compensation?

**Response 94:** No, the prime contractor and first-tier subcontractors are not required to disclose the names and total compensation of their five most highly compensated officers if, in the contractor's/subcontractors' fiscal year preceding the calendar year in which the contract is awarded, the prime contractor and first-tier subcontractors did not receive 80 percent or more in annual gross revenues from federal awards and \$25M or more in annual gross revenues from federal awards. In addition, total compensation information is not required if the public has access to information about compensation of the senior executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986. See IFB Section I.4, FAR 52.204-11, American Recovery and Reinvestment Act – Reporting for further information on reporting requirements.

**Question 95:** Roofing Pkg 1: Options B32 admin, B13, B15, B8, and B44 call for the removal of elastomeric coatings on the loggia. If 100% removal, will contractors be allowed to use chemicals to strip the elastomeric coating from the concrete deck?

**Response 95:** See Specification, Section 01410, for Hazard Communication Program requirements and submittals of Material Safety Data Sheet requirements. Per the specification, any chemical used to strip the elastomeric coating must be submitted to and approved by JSC Environmental Office and JSC Occupational Health Office before use.